

Construction Memo 01-06

MEMO TO: Chief District Engineers  
Design Engineers  
Active Consultants

FROM: Dexter Newman, P.E.; Director  
Division of Construction

David Kratt, Acting Director  
Division of Highway Design

DATE: January 19, 2006

SUBJECT: Guardrail End Treatment Type 1

Enclosed is a Revision of the Guardrail End Treatment Type 1 drawing that shows its installation using hinged break away and/or steel yielding terminal post. These posts allow for faster installation and maintenance. Please note that offset blocks shall be 6" X 8" X 14" wooden offset block or approved composite plastic offset block from KYTC's "List of Approved Materials". There are no approved composite plastic blocks currently.

The attached Guardrail End Treatment Type 1 drawing has been placed on the Sepia List and will be added to the Standard Drawings with the next revision. Full size reproducibles of the Sepia List are available at the following web address:

<http://www.kytc.state.ky.us/design/standard/standard.asp>

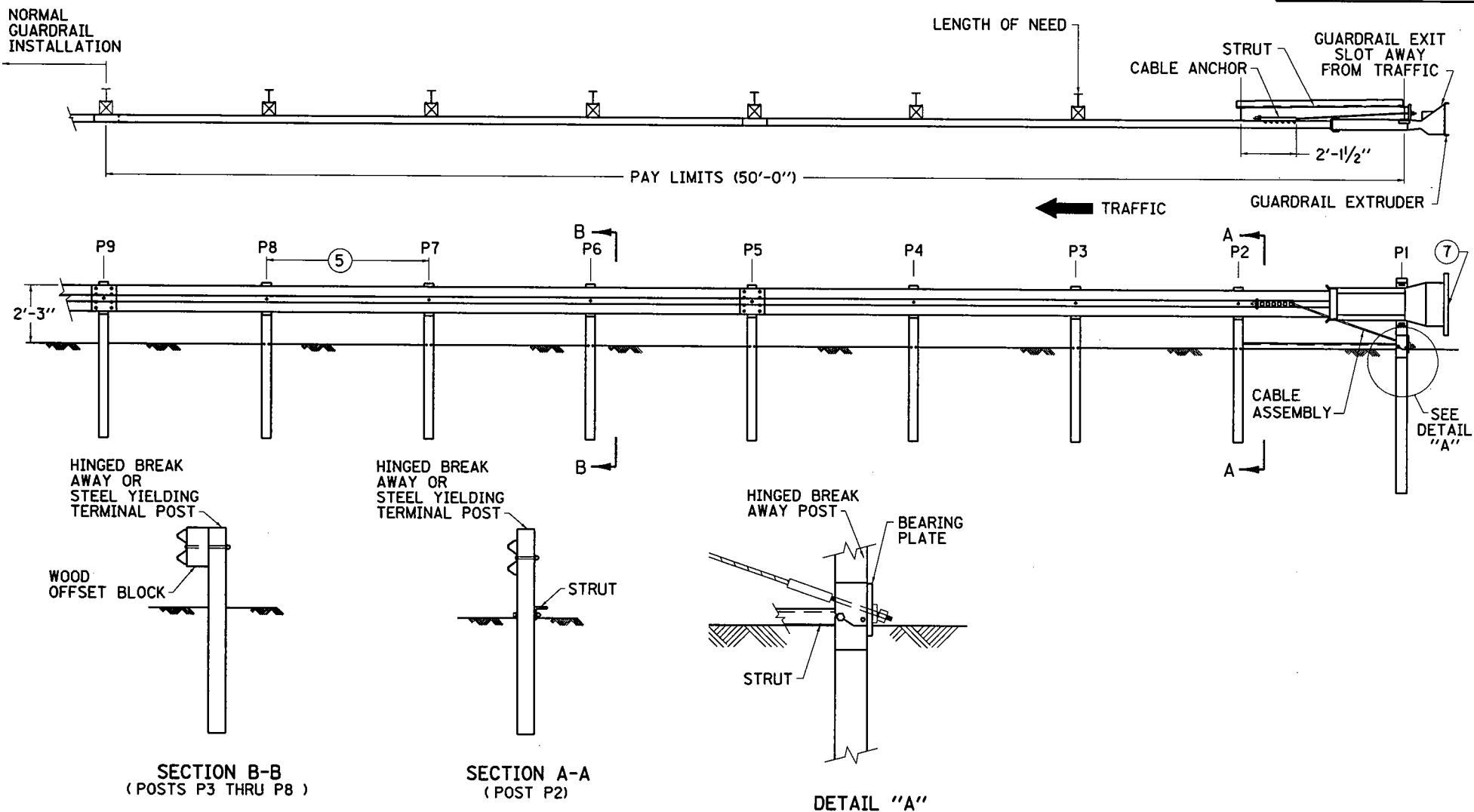
This memo applies to all projects and will become effective with the January 20<sup>th</sup> letting.

Any questions regarding this memorandum should be directed to the Division of Highway Design.

DN/mf

Attachment

COUNTY OF	ITEM NO.	SHEET NO.

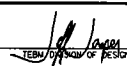


1. GUARDRAIL END TREATMENT TYPE I SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND INCLUDES POSTS, RAIL ELEMENTS, GUARDRAIL EXTRUDER AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION AS DETAILED.
2. PERMISSIBLE ALTERNATES FOR GUARDRAIL END TREATMENT TYPE I ARE PATENTED ITEMS: ET 2000 MANUFACTURED BY TRINITY INDUSTRIES OF GIRARD, OHIO OR SKT-350 MANUFACTURED BY ROAD SYSTEMS INC. OF BIG SPRINGS, TEXAS.
3. THE MANUFACTURER SHALL FURNISH TWO (2) SETS OF SHOP PLANS TO THE CONTRACTOR WITH EACH INSTALLATION.
4. THE COMPLETED INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE MANUFACTURER (SEE SHOP DRAWINGS). OFFSET BLOCKS SHALL BE A 6" X 8" X 14" WOODEN OFFSET BLOCK OR APPROVED COMPOSITE PLASTIC OFFSET BLOCK FROM KYTC'S "LIST OF APPROVED MATERIALS".
5. POSTS P1 THROUGH P9 ARE SPACED 6'-3" ON CENTER.
6. INTENDED USE: FILLS WITH ADEQUATE VEHICLE RECOVERY ZONE BEHIND GUARDRAIL.
7. OBJECT MARKER TYPE 3 (SEE CURRENT STANDARD DRAWING TTD-100 FOR DETAILS)

USE WITH CUR. STD. DWGS.  
RBI-004 AND TTD-100

KENTUCKY  
DEPARTMENT OF HIGHWAYS

GUARDRAIL  
END TREATMENT  
TYPE I

APPROVED  11-15-2005  
DATE